

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

SUBJECT: Toxicological Review of HW19 Data 12 March 2012
Dimock, PA

FROM: Dawn A. Ioven, toxicologist
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TO: Rich Fetzer, OSC
Eastern Response Branch (3HS31)

On 23 January 2012, U.S. EPA collected water samples from HW19 in Dimock. The samples were analyzed for over 200 constituents, including volatile organic compounds, semi-volatile compounds, metals and bacteria. The analytical results were then validated and compared to risk-based screening levels and/or standards for public drinking water supplies.

In HW19, chromium was detected in a filtered sample at 3.2 ug/L. The risk-based screening level for the most toxic form of chromium (hexavalent) is 3.1 ug/L. The concentration observed in HW19 only marginally exceeds this value. Other samples collected at (or close to) the well head and at the kitchen sink contained no measurable chromium. Given these factors, the observation of a trace level of chromium in HW19 is not significant.

No other constituents were detected at levels of concern in this well. Based on the data, no unacceptable risk is anticipated from consumption or household use of water from HW19.



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